



YORKSHIRE PHILOSOPHICAL SOCIETY.

ANNUAL REPORT

FOR

MDCCCXXXVIII.

PRESENTED FEBRUARY 5TH, 1839.



A N N U A L R E P O R T
OF THE COUNCIL
OF THE
YORKSHIRE
PHILOSOPHICAL SOCIETY
FOR
MDCCCXXXVIII.

PRESENTED TO THE ANNUAL MEETING

FEBRUARY 5TH, 1839.



YORK:

THOMAS WILSON AND SONS, HIGH-OUSEGATE.

1839.

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FORM OF A
BEQUEST TO THE SOCIETY.

EVERY person desirous of bequeathing to the Society any sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following form :

I give and bequeath to the Trustees, for the time being, of the Society established at York, called "THE YORKSHIRE PHILOSOPHICAL SOCIETY," for the use of the said Society, the sum of _____ to be paid out of such part of my personal estate, as I may legally charge therewith. [Or here enumerate the effects or property intended to be bequeathed.] And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy.

TRUSTEES
OF
THE YORKSHIRE MUSEUM,
APPOINTED BY THE ROYAL GRANT.

HIS GRACE, EDWARD, LORD ARCHBISHOP OF
YORK.

GEORGE, EARL OF CARLISLE, K.G.

CHARLES WILLIAM, EARL FITZWILLIAM,
F.R.S., F.S.A.

THOMAS PHILIP, EARL DE GREY.

HON. AND VERY REV. HENRY HOWARD, D.D.
DEAN OF LICHFIELD.

FRANCIS CHOLMELEY, ESQ. F.S.A.

ROBERT DENISON, ESQ.

REV. WILLIAM VERNON HARCOURT, F.R.S.

WILLIAM HATFEILD, ESQ. F.G.S.

WILLIAM LAWSON, ESQ. F.S.A.

EUSTACHIUS STRICKLAND, ESQ.

RICHARD JOHN THOMPSON, ESQ.

PATRONESSES

OF

The Dorkshire Philosophical Society.
HER MAJESTY THE QUEEN.
HER ROYAL HIGHNESS THE DUCHESS OF KENT.

PATRONS.

HIS GRACE THE ARCHBISHOP OF YORK.
EARL OF CARLISLE, K.G.
EARL FITZWILLIAM, F.R.S.
EARL OF TYRCONNEL, F.R.S.
THE VISCOUNT MORPETH.
THE LORD STOURTON.
THE LORD WHARNCLIFFE.

OFFICERS OF THE SOCIETY, 1838.

PRESIDENT:

EARL FITZWILLIAM, F.R.S.

VICE-PRESIDENTS:

CHARLES HENEAGE ELSLEY,
WILLIAM GRAY, JUN. F.G.S.
REV. CHARLES WELLBELOVED,
RICHARD JOHN THOMPSON,
JAMES ATKINSON,
HON. WILLIAM HENRY DAWNAY.
REV. THOMAS EGERTON, F.G.S.
REV. WILLIAM VERNON HARCOURT, F.R.S.

TREASURER:

ROBERT DAVIES.

COUNCIL:

Elected 1837..... EDWARD ELGIN,

REV. JOHN KENRICK,

EUSTACHIUS STRICKLAND,

JOHN WOLSTENHOLME.

Elected 1838..... GEORGE GOLDIE, M.D.

WILLIAM HATFEILD, F.G.S.

THOMAS MEYNELL, JUN., F.L.S.

HENRY SMALES.

Elected 1839..... EDWIN VERDEN BLYTH,

HENRY PHILIP CHOLMELEY,

REV. STEPHEN CREYKE,

REV. W. H. DIXON, F.S.A.

SECRETARIES:

PROFESSOR PHILLIPS, F.R.S.

HENRY ROBINSON.

CURATORS:

REV. JOHN GRAHAM ...	...	GEOLOGY.
WILLIAM HATFEILD, F.G.S.		MINERALOGY.
JAMES ATKINSON ...	...	COMPARATIVE ANATOMY.
THOMAS MEYNELL, JUN. F.L.S.	}	ENTOMOLOGY.
REV. J. J. D. PRESTON, F.C.P.S.		
REV. WILLIAM HINCKS, F.L.S.		BOTANY.
REV. CHARLES WELLBELOVED		ANTIQUITIES AND COINS.
JOSEPH MUNBY ...	...	LIBRARY.
JOHN HARWOOD	...	LABORATORY.

KEEPER OF THE MUSEUM:

JOHN PHILLIPS, F.R.S., G.S., &c.

Professor of Geology in King's College, London.

SUB-CURATOR:

MR. HENRY BAINES.

YORKSHIRE PHILOSOPHICAL SOCIETY.

REPORT OF THE COUNCIL,

PRESENTED TO THE ANNUAL MEETING, FEB. 5, 1839.

THE Council of the Yorkshire Philosophical Society are happy in assuring the Annual Meeting that the past year has been productive of circumstances very favourable to the enlargement of scientific tastes and popular gratification, among the members and friends of the Institution. The improvements of the Museum have been materially advanced; the Library and Antiquarian departments have received considerable additions; the Garden is enriched with many new plants, and has been selected for the establishment of an exhibition of fruits and flowers under the best auspices and with the fullest success.

Nor will the spirit of improvement be suffered to languish for want of new objects. Plans are in progress by which it is hoped some of the remaining fragments of our monastic edifices may not only be preserved from entire decay, but restored in a substantial form, for purposes of acknowledged utility. For the execution of these plans,—for the continuation of certain regulations regarding the admission of visitors,—and for some useful modifications of particular laws, the sanction of this Annual Meeting will be asked, after the members shall have heard a faithful statement of the present condition of the Society's affairs.

MUSEUM.

In all its departments the Museum has been stored with new acquisitions, and generally the cases already provided have been found sufficient to receive them. The large collection of FOSSIL ORGANIC REMAINS has been improved in a part where it was the least complete, by donations of much value from the 'Transition' strata of Christiania, collected on the spot and presented by the Rev. W. Bilton; and the Council have reason to expect ere long some further additions to the contemporaneous fossils of the 'Silurian region,' which may now be advantageously studied in Mr. Murchison's splendid volumes. In this department of natural science it has not been judged necessary to incur any but the most trifling expenses.

In ZOOLOGY, the additions to the collection have been considerable, and the Council record with pleasure the completion of measures of great importance for the advancement of this popular and instructive part of the Museum.

The new cases for the reception of the Mammalia have been erected; the specimens are in their places, and, as far as time has allowed, their classification and nomenclature have been completed. The interior fitting of these cases has not been expensive, and the arrangement adopted is such as to allow of considerable augmentation with little trouble and no confusion; while it appears equally suited for studious contemplation and popular enjoyment, to combine which objects appears to the Council the true end and aim of a public collection.

No better proof that these objects are rightly appreciated by the members can be required than the large and general

subscription for the purchase of Mr. Allis's unrivalled collection of Comparative Osteology. That unique collection is now the property of the Institution, at the cost of £350., of which sum the principal part was raised by voluntary contribution. Considerable additions to the department of Indian Ornithology have been received, * including *Lophophorus Impeyanus*, and *Tragopan Hastingsii*; and the group of gallinaceous birds is in consequence well worthy of inspection. The cases already in the Museum for the reception of Birds have not required additions on this occasion, but the time appears rapidly approaching when the whole of the space surrounding the large central room will be filled with the ranks of the feathered creation. A specimen of the mode in which this collection will be described for reference is laid upon the table by Mr. Allis; but before prosecuting this useful work, or adding by purchase to the ornithological series, it has been judged proper to prepare and place in the cases the large arrear of birds which had been presented at different times. This necessary work is now accomplished, principally by the exertions of Mr. Baines, who has also properly prepared all the Reptilia and Fishes; and thus, for the first time during many years, all the specimens of vertebrated animals belonging to the Society may be seen in the Museum, though not all as yet in their right places.

Nor has another interesting part of the Zoological collection been neglected. One of the new cabinets for British Insects has been completed, and Mr. T. Meynell has with much patience scrutinized a considerable portion of the minute and beautiful objects of his care, and arranged them most perfectly for

* A valuable series from Dr. Wake; another from Capt. Spencer, 39th Regt., (through Capt. Straubenzee.) Among the beautiful specimens presented by Dr. Wake, is an aged female of *Lophophorus Impeyanus* *in the plumage of the male*.

study and reference.* To provide additional cases for British and Foreign Entomology will be the duty of the next Council.

COINS AND ANTIQUITIES.

Besides some Greek and Roman Coins of interest, † the most remarkable donations to the Antiquarian department are the Roman Votive Stone, presented to the Society by the City Council, inscribed

GENIO · LOCI
FELICITER

and two Roman stone coffins, found in the Castle Yard during the alterations made there in November, 1835, and lately transferred by the liberality of the County Magistrates from the Castle to the Museum. On one of these coffins is the following inscription :—

AVR · SVPERO · CENT
LEG · VI · QVI · VIXIT · ANIS
XXXVIII M IIII D XIII · AVRE
LIA · CENSORINA · CONIVNX
MEMORIAM · POSVIT

Encouraged by the interest which has thus been manifested in the prosperity of the Society, by the public authorities of the city and the county, the Council have made application for some other architectural and sepulchral monuments which might be fitly preserved in the Yorkshire Museum. In consequence the statue of a knight templar has been saved from further injury in a wall near Walmgate, to take its station among the coeval sculptures of St. Mary's Abbey, and the Council have not despaired of exciting attention to their reasonable requests in other quarters. To complete the collection of sepulchral relics in the multangular tower. one or

* Mr. W. C. Hewitson, (author of *British Oology*) during the time of his stay in York, gave able assistance as joint curator with Mr. Meynell.

† Presented by C. H. Elsley, Esq., Rev. Dr. Barnes, Rev. C. Wellbeloved, &c.

two more stone coffins of Roman date, found near the line of the railway, have been purchased; one of these bears the following inscription:—

D M SIMPLICIAE · FLORENTINE
ANIME · INNOCENTISSIME
QVE · VIXIT MENSES DECEM
FELICIVS · SIMPLEX · PATER · FECIT
LEG · VI · V

LIBRARY.

The cost of providing works illustrative of the several departments of Natural History and Antiquities, has prevented the growth of the Library in a manner commensurate with the other parts of the Institution; yet, by the aid of the gift of Her Royal Highness the Duchess of Kent, some valuable additions have been made, and the Society still receives with gratitude copies of many original works from their authors, and the Transactions of Scientific Institutions. Of the numerous volumes which became the property of the Society by the bequest of the late George Hodgson, Esq., of Bridlington, such as appeared especially suited to the objects of the Institution are placed in the Library, and the others have been exchanged for works which were much needed, and which will be registered as a part of Mr. Hodgson's liberal donation. Some augmentation of book-cases may soon be required; and as the great work of Audubon is now ended, the time is perhaps arrived for devoting some part of the very moderate sum annually spent on books, to complete the costly works of Humboldt, Buffon, &c. which are now imperfect, and consequently almost useless.

BOTANIC GARDEN.

To establish a Botanical Garden was one of the objects of the Society in taking possession of the Manor Shore. To the

already respectable collection of hardy plants, the last three years have added STOVES, which are now full of beautiful productions; and in particular a further supply of above sixty species of Epiphytic Orchideæ, from the President, Earl Fitzwilliam, has fully justified the expenditure which comes into the amount of this year, (though partly executed previously,) for the hot-house in which these singular vegetables flourish. * To provide additional facilities for the cultivation of choice and rare plants, the Council were not only encouraged, but compelled, by a sense of what was due to the promoters of the HORTICULTURAL FETE which took place with such distinguished splendour and success in the Museum Gardens during the month of August, 1838. The clear profits from that admired exhibition amounted to £94.; and the thanks of the Society are justly due to the gentlemen who took the trouble of the management, and who, it may be hoped, will at the request of the new Council repeat their valuable services.

The other botanical riches of the Society, the British and Foreign HERBARIA, have been the subject of the incessant labour of the Curator, Mr. Hincks, who has now succeeded in placing a large part of the collection in a state which, to say the least, is creditable to the Institution, and valuable to the student. The Council have learned with pleasure that the work of Mr. Baines on the Native Plants of Yorkshire is already advanced nearly to completion, and they regard the publication of this 'Botanist's Guide' as entirely in the spirit of the Founders of the Yorkshire Philosophical Society, who, in their first statement of objects, earnestly called for the production of such works.

* Wm. Oldfield, Esq. (already a liberal benefactor to the Museum and Garden, contributed to the cost of these erections, and has otherwise aided improvements in the grounds. Mr. Oldfield and Mr. J. F. Brown have also rendered essential service by contributing supplies of excellent soil.

ANTIQUARIAN MONUMENTS.

Of mixed interest, as contributing partly to the beauty of the Gardens, and partly to the preservation of a noble monument of antiquity, the securing of the ROMAN TOWER from ruin by a complete repair, may be mentioned as a proof that the wishes of every class of members have been attended to by the Council, as far as the finances of the Society would allow ; and it remains to call attention to some plans by which it is hoped other antiquarian relics may be saved from desolation, and employed not only to awaken the solemn memory of days gone by, but to minister to the progress of modern arts and the gratification of cultivated taste.

The HOSPITIUM of St. Mary's Abbey, adjoining the River Ouse, has experienced since the dissolution of the monastery every variety of destination ; once it received the Lord President of the North in great Council, now it is but the receptacle of its own ruins, and unless quickly renovated its very ruins will be lost. Antiquarians and men of taste have seen with regret the rapid progress of its decay, and lamented that the Yorkshire Philosophical Society possessed no sufficient funds to prolong by timely repairs the duration of this picturesque memorial of other times.

At the request of the Council, Mr. John Harper inspected the building with a view to its reparation ; and an Artist, in whose celebrity York claims the highest interest,* has recently pronounced that, if restored almost precisely to its

* WM. ETTY, Esq., R. A., who, in his elegant discourse on the Cultivation of the Fine Arts, delivered in the Theatre of the Yorkshire Museum, on the 5th of November, 1838, strongly urged the restoration of the Hospitium, as a first step towards the Promotion of the Fine Arts in his NATIVE CITY.

original appearance, it would be singularly well adapted for EXHIBITIONS of PICTURES and SCULPTURE, one of the few sources of intellectual enjoyment and instruction in which York is still deficient. It may easily be rendered available for a SCHOOL OF DESIGN; and would be further useful on occasions of HORTICULTURAL and other important MEETINGS, connected with Science.

These considerations have led to the commencement of a SUBSCRIPTION, to enable the Yorkshire Philosophical Society to defray the cost of renovating the building and rendering it useful to the Public in the manner stated. The proceeds of the Annual County Ball have been devoted to the same object; and at this moment the Sum accumulated for this purpose is above £480.

Different opinions are entertained as to the best manner of restoring or reconstructing this building, so as to fit it for the purposes contemplated in the Subscription, and yet retain its architectural character, and its pictorial effect in the grounds of the Institution. In a matter so important and delicate, the Council determined to take no step which should deprive any Member or Subscriber of the opportunity of expressing his views on a subject where many are fully competent to offer useful opinions, and all are deeply interested; where a single false step may be irretrievable, and the error of an hour may become the regret of an age. They intend, therefore, to propose to this Meeting a Resolution, empowering the Council to call together the Subscribers to the Restoration, and to concert with them on the best means of proceeding further in this most desirable work.

In connexion with this subject, the Council have the satisfaction of stating that an opportunity has arisen for restoring to its perfection another valued monument of the former

beauty of St. Mary's Abbey. Professor Phillips,—in proposing to reconstruct the roof and interior of the ancient Gateway House, and thus to exonerate the Society from the trouble and expense of irregular tenancy,—has assured the Council that, in the restoration of this building for his future residence, its original architectural character shall be scrupulously respected. It is for this Meeting to sanction the granting of a lease, on terms which may justify him in defraying the very considerable expense of this restoration.

A great part of the other possessions of the Society on the Manor Shore is now usefully appropriated, but the management of this property will always be a source of some anxiety to the Council, so long as any part of it remains in almost accidental occupation. Eventually, it may be hoped, a part at least of this beautiful site, in connexion with the Hospitium, may be reclaimed for the enlargement of the gardens; and in anticipation of such a measure the opinion of this Meeting will be requested on the propriety of at once changing the line of road into Marygate, so as to allow the including the Hospitium and Ancient Gateway within the precincts of the Museum Gardens, whenever the funds of the Society may be adequate to bear the cost. If the Meeting shall judge the time favourable for this preliminary measure, there is no obstacle in regard to the purchase of property, for some zealous officers of the Institution have already obtained possession of several houses on the line of the proposed new road.

It remains then only to state correctly the condition of the SOCIETY'S FINANCES. During the past year, several *Extraordinary* disbursements have been made, mostly under the direction

of previous Annual Meetings, to a considerable extent; viz. for the purchase of Mr. Allis's Collection £350.; for new Zoological Cases £236.; for Hothouses, &c. £40.; for repairs of the Roman Tower £15.; making in all about £640.

To meet this great but necessary expenditure, the Treasurer has received Subscriptions towards the purchase of Mr. Allis's Collection, to the extent of £227. 8s. *; from the Horticultural Exhibition £94. 7s.; Admission and Composition from one member £25.; Admissions of twenty other members £100.; and a Donation of £10. from Miss Willoughby; in all about £456. The difference is about £180.; but the debt of the Society, when some arrears shall have been collected, will not be found augmented by even one hundred pounds.

The Ordinary Annual Income has in no respect fallen off, but on the contrary has been augmented by the addition of twenty-two New Members, more than doubling the loss by death and removal. The receipts from Ladies' Annual Subscriptions, from payments for keys of the Gardens, and Strangers' Tickets of Admission, have been nearly as in preceding year.

No pecuniary loss, therefore, has resulted to the Society from opening the Museum and Gardens, during certain days, to the free access of the public. This privilege was embraced by many thousand persons, and the meeting will learn with pleasure that neither accident nor misbehaviour occurred to mar the general satisfaction.

On the whole, the resources of the Society have been this year severely tried, but not found wanting; and the Council,

* The subscriptions altogether amount to £276. 16s. of which £41. 5s. are still unpaid.

assured by ample proof that the public favour will fully support this Institution, so long as it pursues steadily the path of public usefulness, and embraces every proper occasion of improving taste, augmenting science, and diffusing popular information, deem the increase of the general debt of small importance, compared to the objects sought for and gained.

The Council lay down the trust which has been committed to them, in full hope and confidence that the members at large will approve their exertions, and give such commands to their successors as, without encouraging lavish expenditure in any department, shall empower them to remedy defects in some, advance them all nearer to perfection, and prosecute with vigour and success every well-considered measure for extending the field of human knowledge, or enlarging the sum of rational and scientific enjoyment.

THE TREASURER OF THE

Dr.

1838.					£.	s.	d.
Annual Subscriptions of 210 Members at £2. each	...	...	...	...	420	0	0
Ditto of 4 ditto at £1. each	...	...	...	...	4	0	0
Arrears of former years	...	..	...	...	41	0	0
Sir Charles Ibbetson's Annual Donation	...	...	...	...	5	5	0
From Ladies, being Annual Subscribers	...	...	...	...	37	0	0
For Keys of the Gardens	...	...	...	...	12	0	0
For Tickets of Admission at 1s. each	...	...	...	...	48	4	0
For Admission of 20 New Members	...	...	...	...	100	0	0
For Admission and Composition of one Member	...	...	...	...	25	0	0
Miss Willoughby, a Donation	...	...	...	...	10	0	0
Rents of the Manor Shore Estate for one Year, ending Michaelmas					136	8	0
Balance of the Proceeds of the Horticultural Exhibition				...	94	7	0
Balance of H. R. H. the Duchess of Kent's Donation	...			...	37	2	0
Subscriptions received for purchase of Mr. Allis's Collection	...			...	235	11	0

Dec. 31, 1838.

£. s. d.

To principal money owing on Mortgage of the Manor

Shore Estate	...	...	...	...	2500	0	0
To Ditto owing to Wm. Gray, Esq.	...			...	1000	0	0
To Ditto owing to 8 Members	...	...		...	400	0	0
To Balance overdrawn Messrs. Swann & Co.	...			...	606	13	8

 4506 13 8

5th Feb. 1839.

 £.5712 10 8

*This Account has been audited
and allowed by us,*

JAMES BARBER,
JOSH. MUNBY.

ROBT. DAVIES,
Treasurer.

YORKSHIRE PHILOSOPHICAL SOCIETY, IN ACCOUNT.

Cr.

Dec. 31, 1837.	£.	s.	d.	£.	s.	d.
By principal money borrowed on Mortgage of the						
Manor Shore Estate, at 4 per cent. Interest ...	2500	0	0			
By principal money borrowed of Wm. Gray, Esq. at						
4 per cent. Interest	1000	0	0			
By eight principal sums of £50. each, borrowed of						
8 Members of the Society, the Interest whereof						
pays their Annual Subscriptions	400	0	0			
By Balance due to Messrs. Swann & Co. this day ...	432	5	8			

4332 5 8

1838.

Crown Rent for one Year ending Michaelmas 1838 ..	...	1	0	8
Corporation Rent, ditto ... ..	...	6	12	6
Water Rent, ditto ... ..	...	6	6	0
Insurance for one Year ... ..	...	5	0	0
Keeper of the Museum, one Year's Salary ... ..	...	100	0	0
Lodge-Keeper, ditto ... ..	...	10	0	0
Sub-Curator, on account of Salary, Labourers, &c. ...	...	195	0	0
One Year's Interest of £2500. owing on Mortgage of the Manor				
Shore Estate, due 1838 ... ..	...	100	0	0
Ditto of £1000. owing to Wm. Gray, Esq., due 31st Dec. 1838 ...	...	40	0	0
Interest to Messrs. Swann & Co. for being overdrawn ...	...	9	18	0
Paid Mr. Allis for his Collection ... ..	...	350	0	0
Tradesmen's Bills	553	0	7	
Sundries	3	7	3	

556 7 10

£.5712 10 8

ANALYSIS OF THE TREASURER'S RECEIPTS AND RECEIPTS.

	£.	s.	d.	£.	s.	d.
Annual Subscriptions of 210 Members at 2 <i>l.</i> each	420	0	0			
Ditto of 4 non-resident Members at 1 <i>l.</i> ...	4	0	0			
Arrears of former years ...	41	0	0			
Sir Charles Ibbetson's Annual Donation ...	5	5	0			
Annual Subscriptions from Ladies ...	37	0	0			
For use of Keys of the Garden ...	12	0	0			
Strangers' Tickets of Admission ...	48	4	0			
Admission of 20 New Members at 5 <i>l.</i> each ...	100	0	0			
Admission and Composition of one Member ...	25	0	0			
Donation from Miss Willoughby ...	10	0	0			
Rents of Manor Shore (one Year's) ...	136	8	0			
Balance of the Proceeds of the Horticultural } Exhibition }	94	7	0			
Balance of H. R. H. the Duchess of Kent's Donation	37	2	0			
Subscriptions towards the Purchase of Mr. Allis's } Collection (of which Subscription there is } still unpaid 41 <i>l.</i> 5 <i>s.</i> ... }	235	11	0			
	<hr/>			1205	17	0
Balance for which the Banker's Account is over- } drawn for Expenses of the Year 1838 }				174	8	1

£.1380 5 1

PAYMENTS DURING THE YEAR 1838.

PAYMENTS.

				£.	s.	d.	£.	s.	d.
Rent, Taxes, &c. :									
Rent to the Crown	...	...	...	1	0	8			
Rent to the Corporation	...	...	...	6	12	6			
Water Rent	...	...	...	6	6	0			
Poor Rates	...	...	...	14	0	0			
Insurance	...	...	...	5	0	0			
							32	19	2
Salaries and Wages :									
Keeper of the Museum	...	...	...	100	0	0			
Sub-curator	...	...	...	70	0	0			
Servant and Cleaning Rooms	...	...	...	20	0	0			
Lodge-keeper	...	...	...	10	0	0			
Labourer	...	...	...	33	0	0			
							233	0	0
Interest on Debt, &c. :									
Mortgage Debt on Manor Shore	...	...	...	100	0	0			
Interest on £1000. at 4 per cent.	...	...	...	40	0	0			
Interest to Bankers for being overdrawn	...	...	...	9	18	0			
							149	18	0
Museum :									
Purchase of Mr. Allis's Collection	...	...	...	350	0	0			
New Cases for Mammalia	...	...	...	216	12	0			
New Cabinet for Insects	...	...	...	20	0	0			
Miscellaneous, including Furniture and Repairs	...	...	...	72	0	8			
Purchases of Specimens	...	...	...	27	6	9			
							685	19	5
Garden, Grounds, &c. :									
Garden and Grounds (1838)	...	...	...	92	2	3			
Bill for Stove (unpaid 1837)	...	...	...	7	8	11			
Manor Shore Roads, &c.	...	...	...	2	12	0			
Multangular Tower (repairs of)	...	...	...	15	0	10			
							117	4	0
Library :									
Books and Binding	...	...	...	...	...	...	46	17	9
Printing, &c.									
Printing	...	...	...	...	22	2	6		
Stationery	...	...	...	...	4	8	0		
Advertising	...	...	...	...	0	16	0		
							27	6	6
Incidents, including Coals, Coke and Gas, Postage, Carriage, &c.	...	...	...	...	...	...	56	8	3
Money left in Sub-curator's hands for contingencies	...	...	...	...	...	...	31	12	0
							£. 1380	5	1

RESOLUTIONS

PASSED AT THE ANNUAL MEETING, FEB. 5th, 1839,

WILLIAM GRAY, Jun., Esq., V. P., IN THE CHAIR.

1. That the REPORT of the Council be adopted and printed.
2. That the LAWS, as revised by the Council, be adopted and printed for the use of the Members.
3. That the Regulations adopted by the Annual Meetings in 1836, 1837, and 1838, for the ADMISSION OF STRANGERS by the purchase of Tickets, be continued for the present year.
4. That the Council be again empowered, on certain days to be selected by them during the present year, to permit FREE ADMISSION to the Museum and Gardens TO ALL PERSONS; the mode of admission to be regulated by the Council.
5. That the Resolutions of the last Annual Meeting, empowering the Council to authorise the holding of one or more HORTICULTURAL MEETINGS in the Society's Gardens, be continued in force during the present year.
6. That the best Thanks of the Society be given to the Committee of Management of the Horticultural Fete held in August last; and that they be respectfully requested to continue their valuable services for the year 1839.
7. That the cordial Thanks of the Society be given to the Subscribers to the Fund for the RESTORATION OF THE HOSPITIUM of St. Mary's Abbey; and particularly to the Managers of the late County Ball, the surplus proceeds of which were applied to that Fund.
8. That the Council be empowered to arrange with the Subscribers to the Restoration of the Hospitium, the best means of effecting that object.
9. That the Trustees of the Society be authorised to execute a Lease of the GATEWAY HOUSE and adjoining ground to Professor Phillips, for such time and upon such terms as shall be approved by the Council.
10. That the Council be empowered to take steps for diverting the Road leading from the Manor Shore into Marygate, so as to admit of including the Hospitium and ancient Gateway within the Society's grounds; provided the expense thereof do not exceed £150.
11. That the Thanks of the Society be given to the Vice-Presidents and Members of the Council retiring from office, and to the Treasurer and Secretaries, for their valuable services.

RESTORATION

OF THE

HOSPITIUM OF ST. MARY'S ABBEY,

AND

PROMOTION OF THE FINE ARTS IN YORK.

WE whose names are undersigned, being desirous of promoting the Fine Arts in York, by providing a suitable building for the Exhibition of Pictures and Sculpture ; and being satisfied that the Hospitium of St. Mary's Abbey, now in great disrepair, would, if restored, afford ample accommodation for this and other useful public objects ;—do engage to subscribe the sums placed opposite our respective names, for the purpose of enabling the Yorkshire Philosophical Society to restore that building ; on the understanding that, for Public Exhibitions of Pictures and Sculpture, under the direction of a body of Subscribers in Yorkshire, the use of the rooms shall be freely granted, without charge, except during any Meeting in York of the British Association for the Advancement of Science.

Nov. 5, 1838.

Subscriptions already received :—

	£.	s.	d.		£.	s.	d.
Earl Fitzwilliam, President of the Yorkshire Philo- sophical Society	... 20	0	0	Misses Crompton ...	10	0	0
Earl de Grey	... 5	0	0	Miss Currer, Eshton Hall	5	0	0
The Lord Mayor	... 5	0	0	Robert Davies	... 5	0	0
The Lady Mayoress	... 5	0	0	Hon. W. H. Dawnay	... 5	0	0
Wm. Allen	... 5	0	0	Rev. W. H. Dixon	... 5	0	0
G. Townsend Andrews	... 5	0	0	Hon. W. Duncombe, M.P.	5	0	0
James Atkinson	... 5	0	0	Rev. Thomas Egerton	... 5	0	0
James Barber	... 5	0	0	C. H. Elsley	... 5	0	0
Thomas Barstow	... 5	0	0	Wm. Etty, R.A.	... 5	0	0
John Bayldon	... 5	0	0	Rev. W. Flower, Jun.	... 5	0	0
John Blanchard	... 5	0	0	James Robert Fryer	... 2	0	0
John Brook	... 5	0	0	William Garforth	... 5	0	0
George Brown	... 5	0	0	Robert Gilbert	... 5	0	0
John F. Brown	... 5	0	0	George Goldie, M.D.	... 5	0	0
Joseph Buckle	... 5	0	0	Wm. Gray, Jun.	... 5	0	0
John Bulmer	... 2	0	0	C. J. Hanson	... 2	0	0
Noel A. Carter	... 2	0	0	John Harper	... 5	0	0
Sir G. Cayley, Bart.	... 5	0	0	Edward Harper	... 5	0	0
Francis Cholmeley	... 5	0	0	John Hutton, Marske	... 5	0	0
Rev. E. Churton	... 5	0	0	Hon. C. Langdale, M.P.	... 5	0	0
F. J. Copsie	... 5	0	0	Thomas Laycock	... 5	0	0
Rev. Stephen Creyke	... 5	0	0	Geo. Lloyd, Cowsby	... 5	0	0
				Miss Lloyd, Peasholme House	... 5	0	0

	£.	s.	d.		£.	s.	d.
Amount brought over	233	0	0	Edward Taylor ...	5	0	0
Mr. Alderman Meek ...	5	0	0	Mr. Terry ...	5	0	0
Robert Menzies ...	5	0	0	G. Lowther Thompson ...	5	5	0
George Meynell ...	5	0	0	Mrs. Ann Thompson, Monk			
Joseph Munby ...	5	0	0	Bar ...	1	0	0
Rev. T. Myers ...	2	0	0	John Tweedy ...	5	0	0
C. J. Newstead ...	2	0	0	Baldwin Wake, M.D. ...	5	0	0
John Phillips, F.R.S. ...	5	0	0	Robert Watson ...	1	0	0
Wm. Richardson, jun. ...	1	0	0	Rev. C. Wellbeloved ...	5	0	0
Henry Robinson ...	5	0	0	J. T. Wharton ...	2	10	0
E.H. Roper (Sheriff of York)	5	0	0	Henry Willoughby ...	5	0	0
John Roper ...	5	0	0	Sir F. L. Wood, Bart. ...	5	0	0
Sir R. F. Russell, Bart. ...	5	0	0	Sir W. Worsley, Bart. ...	5	0	0
Louis Sandier ...	1	0	0	Marcus Worsley ...	5	0	0
Thomas Simpson, M.D. ...	5	0	0	Major Yarburgh ...	5	0	0
Edwin Smith ...	5	0	0	Proceeds of County Ball ...	91	1	9
Thomas Smith, Huntington	5	0	0				
Rev. Isaac Spencer ...	5	0	0		£.489	16	9
W. R. C. Stansfield, M.P. ...	5	0	0				
Eustachius Strickland ...	5	0	0				
Swann, Clough, and Co. ...	25	0	0				

Subscriptions continue to be received by the LORD MAYOR, the Treasurer ; and at all the YORK BANKS.

A PUBLIC MEETING of the SUBSCRIBERS to the Fund was held in the Theatre of the Museum, on Tuesday, the 26th of Feb. 1839, at One o'clock, to receive the Report of the Provisional Committee, and to take such further steps as might be considered necessary.

The Lord Mayor having been called to the Chair, stated the amount of Subscriptions received ; and the Rev. T. Myers, as Secretary to the Provisional Committee, having given a short account of the previous proceedings, it was

RESOLVED,—That to the following COMMITTEE (chosen out of the Council of the Philosophical Society, and the Subscribers at large to the Restoration Fund) the further prosecution of the undertaking be entrusted, viz.—

The LORD MAYOR, *Treasurer*.

Rev. STEPHEN CREYKE,
C. H. ELSLEY, Esq.
Professor PHILLIPS,
Rev. C. WELLBELOVED,

THOMAS BARSTOW, Esq.
Rev. W. FLOWER, Jun.
Rev. ISAAC SPENCER,
Dr. WAKE.

HENRY ROBINSON, Esq. }
Rev. THOMAS MYERS, } *Honorary Secretaries.*

SUBSCRIBING MEMBERS
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY,
ELECTED IN 1838.

Allen, William, *York*.
Anderson, Edward Richard, *York*.
Blyth, Edwin Verden, *York*.
Chapman, Henry, *York*.
Constable, Rev. Charles, *Wassand, Hornsea*.
Dawson, Pudsey, *Sinnington Manor, Pickering*.
Dundas, Hon. John Charles, M.P., *Aske, Richmond*.
Fletcher, Caleb, *York*.
Hewson, Rev. William, *York*.
Hey, Rev. William, *York*.
King, Joseph, *York*.
Labron, William, *York*.
Maltby, Henry Donkin, *York*.
Maxwell, Henry Constable, *Boston, Wetherby*.
Myers, Rev. Thomas, *York*.
Ransome, Henry, *York*.
Russell, Sir Robert Frankland, Bart., *Thirkleby Hall, Thirsk*.
Walker, John, *York*.
Waller, Robert, *Holdgate, York*.
Wallis, Edward, *Burton Grange, York*.
Watson, Robert, *York*.
Wilkinson, Rev. William John, *York*.
Williams, Caleb, *York*.

HONORARY MEMBER,

ELECTED AT THE ANNUAL MEETING, 1839.

Hewitson, William Chapman, F.L.S., *Bristol*.

SCIENTIFIC COMMUNICATIONS

TO THE

GENERAL MEETINGS,

1838.

APRIL.—Catalogue of Fishes taken upon the Yorkshire Coast, and found in the Streams and Rivers of the County, by T. MEYNELL, Jun., F.L.S.

OCT.—Notices of the Proceedings of the Newcastle Meeting of the British Association, by PROFESSOR PHILLIPS, F.R.S., and W. L. NEWMAN, F.R.A.S.

NOV.—On the peculiar construction of the Wing and Foot of the Penguin, by T. ALLIS.

DEC.—An Essay on the Structure of some remarkable Seed-Vessels from Africa, belonging to the 'Cannon-ball Tree' and other species of the family of Lecythydaceæ, by the Rev. W. HINCKS, F.L.S.

DONATIONS

TO

THE SOCIETY'S MUSEUM.

GEOLOGY.

Rev. W. Bilton	...	...	Series of specimens of trilobites, ortho- cerata, graptolithi, &c. from the tran- sition strata of Christiania.
Mr. J. Bleckly	...	...	Mass of siliceous millstone, from the ba- sin of Paris.
Earl of Carlisle	...	...	Femur of <i>Megalosaurus Bucklandi</i> , from the coralline oolite of Slingsby.
Mr. Gray (<i>Dudley</i>)	...	...	Cast of the Barr Trilobite.
S. Hailstone, F.G.S.	...	...	A Saurian Vertebra, from the Himalaya Mountains. Fossil Plants from the Coal Measures near Bradford.
S. Kenrick, Esq.	...	...	Stem of a Fossil Plant, from the Coal formation of Staffordshire.
Rev. D. F. Markham	...	...	Specimens of mud of the Nile ; one taken from the shore near Mansoura, in the land of Goshen, on the Damietta branch ; the other from the shore of Gornou, part of Thebes.
Professor Phillips, F.R.S.			Fossil Corals, from the coralline oolite near Cambridge.
S. Powell, Esq.	...	...	Fossil Shells, (<i>spirifera</i> , <i>producta</i> ,) from the millstone grit series, near Brimham.

R. Ripley, Esq.	..	...	Several Ammonites, from the lias of the Whitby coast.
			Several specimens of Phenopteris, from the sandstone beds near Whitby.
Rev. S. Sharp	...	...	Fossil Plants from the coal formation near Wakefield.
Dr. Wake	...	...	Ammonites, belemnites, terebratulæ, &c. from the Himalaya Mountains.

MINERALOGY.

Rev. J. Graham	...	...	Specimens of Wavellite, from Tracton near Cork.
Professor Phillips, F.R.S.	.	...	Supposed 'Miemite,' from the vicinity of Bristol.
Mr. Walker Smith, (<i>Ferrybridge</i>)	...	...	Stalactitical carbonate of lime.

ZOOLOGY.

John Agar, Esq.	...	...	Several Reptiles from the East Indies.
T. Allis, Esq.	...	...	Red-throated Diver. Cast of the foot of the Dodo.
Mr. H. Chapman	...	...	Pinna, from the East Indies.
Sunderland Cooke, Esq.	...	...	Scad, or Horse Mackerel (<i>Yarrell, Brit. Fishes, i. 154.</i>)
Mr. H. Doubleday	(<i>Epping</i>)	...	A Willow Grouse, from Norway.
G. L. Fox, Esq. M.P.	...	...	Several British and Foreign Birds, including the Thick-knee, (<i>cinclus aquaticus</i>) Eagle Owl, &c.
Rev. J. Graham	...	...	Specimen of Agaricia explanulata.
Wm. Hatfeild, Esq. F.G.S.	...	...	A Wild Swan.
John Henderson, Esq. (<i>Castle Howard</i>)	...	...	A Wild Swan.

Mr. G. Holmes (<i>Veterinary Surgeon, Thirsk</i>)	A beautifully injected preparation of the Leg of the Horse.
Mr. Wm. Labron ...	Modiola and other shells.
— Lambert, Esq. ...	Rana esculenta.
Miss Lloyd... ..	Petrel, from the Cape of Good Hope.
Rev. T. M'Gill (<i>Isle of Man</i>)	Tooth of Cachalot.
T. Meynell, Esq. F.L.S. ...	Eight species of Oriole.
Miss Norcliffe ...	Cut-throat Sparrow.
Miss Phillips ...	A case of Humming Birds.
Rev J. J. D. Preston ...	A remarkable hybrid Duck, shot near Pickering, 27th Jan. 1838.
W. R. Read, Esq....	Four Foreign Birds. Four specimens of Crustacea.
— Scott, Esq. (<i>Norwich</i>)	Ornithorhynchus paradoxus.
Capt. Spencer, 39th Regt. (by Capt. Straubenzie)	Eighty-threeskins of Birds, from Madras; Skins of the vulpine phalanger; two species of pteromys; four squirrels, &c.
W. Whytehead, Esq. ...	A white Sparrow.

COINS AND ANTIQUITIES.

Rev. T. Barnes ...	A coin of Constans? and a Cuthic coin.
— Cayley, Esq. (<i>Sowerby</i>)	Arabic coins, one said to be found near his country house in Russia; one on shore of the Baltic sea.
The City Council ...	A Roman Votive Stone.
The Magistrates of the three Ridings	Two Roman Stone Coffins, found in York Castle.
C. H. Elsley, Esq. ...	A gold coin of Arcadius, found at New-Building, near Thirsk; an antique brass spear head, found at Whitston-cliffe.
Mr. Harrison ...	A sixpence of Elizabeth.
Mr. Peckitt, (<i>Egton</i>) ...	A Stone Hammer, found at the ancient British village near Egton.

E. Prest, Esq.	...	...	Coin of Claudius Gothicus, found in Campishaw Field, near York, with a skull.
Mr. E. Weddell (<i>Thirsk</i>)			Roman family coin ; penny of William I.
Rev. C. Wellbeloved	...		A Greek coin (of Eubœa).
— Whytehead, Esq. (<i>Easingwold</i>)			A Grecian head, supposed to be of Bacchus ; an Egyptian head.

MISCELLANEOUS.

F. Beckwith, Esq.	...	...	Cobalt, from the burning of bank notes.
P. Maxwell, Esq.	...	...	A curious Chinese Chair Bed.

DONATIONS TO THE GARDEN

AND BOTANICAL COLLECTIONS.

Mr. Bradwell	...	...	An ornamental Fountain for the Gardens.
Joseph Bonomi, Esq.	...	...	Fruit of an African tree called 'Tebeldi.'
Earl Fitzwilliam	...	...	Sixty epiphytic Orchideous Plants for the stove.
J. Tweedy, Esq.	...	...	Specimen of the Pine-apple Potato.
Dr. Wake	...	...	Sixty different seeds from India.
Mr. Walker	...	...	An ornamental Fountain.

DONATIONS TO THE LIBRARY.

J. Alston, Esq. (<i>Glasgow</i>)	The Gospels, printed in raised characters for the use of the Blind.
W. H. Alexander, Esq. ... (<i>the Author</i>)	Chronology of the Ancient World.
Francis Baily, Esq. F.R.S. (<i>the Author</i>)	Supplement to the Life of Flamstead, 4to.
Cambridge Philosophical Society	Transactions of the Society, Vol. VI. Part III.
Council of the British Association	Seventh Report of the Association, 1837.
Geological Society...	Proceedings of the Society, to No. 58.
Rev. E. Hincks, D.D. ... (<i>the Author</i>)	A Work on Egyptian Hieroglyphics.
Leeds Lit. and Phil. Society	Annual Report, for 1837-8.
Manchester Mechanics' Institute.	Annual Report, and Catalogue of Library.
J. S. Menteith, Esq. ... (<i>the Author</i>)	"Farmers <i>versus</i> Rooks," 8vo, 1838.
T. Meynell, Esq. F.L.S. ...	Three Parts of the Linnæan Transactions.
Rev. T. Myers ...	Essay on the Chinese Language, by the Rev. T. Myers; Kant's Philosophy; Professor Christie's Work on the Magnetic Influence of Iron.
Scarborough [Philosophical Society	Annual Report, for 1837-8.
J. Thurnam, Esq.... (<i>the Author</i>)	"On Aneurisms of the Heart," from the Medico-Chirurgical Transactions.
Dr. Wake ...	Addresses of the President and Treasurer of the Hull Botanic Garden.
Whitby Lit. and Phil. Soc.	Annual Report, for 1837-8.
E. Weddell, Esq., (<i>Thirsk</i>)	Guthrie's (Mrs.) Tour through the Crimea, 4to, 1802.
	Akerman on British Coins, 8vo.
T. Wicksteed, Esq. (<i>the Author</i>)	A Work on the Water Companies of London.

MAPS, PRINTS, &c.

F. Beckwith, Esq.	...	Four Plates of the Rosetta Stone, published by the Society of Antiquaries, 1802—10. Engraving of Cæsar's Camp, at Holwood in Kent, published by the Society of Antiquaries, 1806.
Professor Chevallier (<i>the Author</i>)	...	A Table for Barometrical Computation.
Professor Phillips, F.R.S. (<i>the Author</i>)		Index Geological Map of the British Isles, 1838.
Shropshire and North Wales Natural History and Antiquarian Society	...	Annual Report, for 1836.

DONATION TO THE FUNDS OF THE SOCIETY.

Miss Willoughby £10 0 0

ANNUAL DONATION.

Sir Charles Ibbetson, Bart. £5 5 0

Presented
13 MAR 1888

